Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/17/2017 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126132	0	1.31	126044	1.28
Blue	F	SSC	125000	123727	-2	2.82	123994	2.63
Blue	E	FITC	23615	22959	-3	2.42	1023	10.44
Blue	D	PE	26739	26685	-1	1.98	957	9.93
Blue	B	PerCP-Cy5-5	48339	47348	-3	3.34	1365	17.25
Blue	A	PE-Cy7	45021	45348	0	5.11	699	36.50
Red	C	APC	53064	52189	-2	2.81	3007	9.42
Red	A	APC-Cy7	57175	56287	-2	2.77	1168	11.00
Violet	B	V450	14728	14175	-4	5.19	677	9.71
Violet	A	V500	58621	57094	-3	5.06	2517	7.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20105	2.45	612	-2	N/A	N/A	Pass
Blue	F	SSC	61269	1.42	545	-1	N/A	N/A	Pass
Blue	E	FITC	114	39.65	548	0	0.0199	161	Pass
Blue	D	PE	210	29.09	539	3	0.1548	231	Pass
Blue	B	PerCP-Cy5-5	213	45.40	636	1	0.0096	73	Pass
Blue	A	PE-Cy7	73	124.00	696	3	0.0112	13	Pass
Red	C	APC	350	27.27	596	-1	0.0205	49	Pass
Red	A	APC-Cy7	126	41.18	579	-1	0.0059	1962	Pass
Violet	B	V450	82	43.31	466	-4	0.0451	1965	Pass
Violet	A	V500	184	21.50	493	-4	0.0150	145	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.57	-31.14	0.92
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	17.26	14.40 - 21.60	N/A	N/A	30.98	31.43	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10948

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments